

Appendix F. Annual Cost Estimates by Agency for Implementing this Conservation Strategy

Task	YNP	USGS - IGBST	Wyoming	Montana	Idaho	USFS	GTNP	TOTAL
Annual GIS layer updates and GIS analysis for habitat monitoring ¹	-	22,500	-	-	-	80,000	2,000	104,500
Monitor developed sites and livestock grazing	-	-	-	-	-	2,000	-	2,000
Monitor hunter numbers	-	-	1,000	2,500	1,000	-	-	3,000
Cutthroat trout spawners (Kokanee – Idaho)	11,520	10,000	-	-	1,000	-	-	22,520
Spring carcass surveys	16,704	12,00	-	2,000	-	4,000	-	34,704
Whitebark cone transects	6,336	65,600	1,550	2,500	-	2,000	45,000	121,986
Moth presence	-	59,400	1,500	2,000	-	-	-	64,400
Private land status	-	-	1,500	10,000	2,000	-	-	13,500
Monitoring unduplicated females w/cubs	18,000	137,000	44,000 ²	35,000 ³	14,000 ^{4,5}	-	4,000	252,000
Mortality	3,000	62,400	20,000 ²	23,000	1,000	-	1,000	107,400
Distribution of family groups	12,000	56,600	30,000 ²	7,500	6,500 ⁴	-	2,000	117,100
Maintaining a radio-monitored sample of the population for known-fate monitoring, including at least 25 adult females per year	15,000	361,200	195,000 ²	20,000	32,000 ⁵	-	10,000	673,200
Human/bear conflict mgt.	672,800 ⁶	-	735,000 ²	246,000 ⁷	32,000 ⁵	650,000 ⁸	537,000 ⁶	2,855,800

¹ These are new costs to manage habitat but are already required as per the Recovery Plan.

² Currently the Wyoming Game and Fish Department (WGFD) uses Conservation Strategy funds for additional implementation of said category. The Annual federal monies acquired through Conservation Strategy funding (~\$40,000 - \$50,000) represent < 5% of funds currently spent to monitor and manage grizzly bears in Wyoming outside of the National Park System and Wind River Reservation. The total amount of money listed herein used toward grizzly bear management is not all-inclusive. There are additional funds related to other WGFD personnel assisting with grizzly bear management and recovery.

³ 75% of this expenditure is provided through a USFWS Conservation Strategy funding contract.

⁴ Approximately \$10,000 of the monitoring females with cubs and distribution of family groups comes from Section 6 Funding.

⁵ \$50,000 of conflict management, maintaining adult females with radios, and monitoring females with cubs comes from USFWS funding.

⁶ This cost is a projected ongoing cost and is not specific to the Conservation Strategy.

⁷ 21% of this expenditure is provided through a USFWS Conservation Strategy funding contract.

Task	YNP	USGS - IGBST	Wyoming	Montana	Idaho	USFS	GTNP	TOTAL
Outreach and education	121,717	40,000	75,000 ²	30,000 ⁹	27,300	60,000	67,000	421,017
Monitor genetic variation ¹⁰	-	135,700	20,000	2,500	-	-	-	165,700
Miscellaneous	-	-	50,000 ²	-	9,000	-	55,000	114,000
Total per agency per year	877,077	962,400 ¹¹	1,174,550 ⁶	393,000 ¹²	125,800	859,000	723,000	-
GYE TOTAL COST PER YEAR								5,114,827

⁸ 30% currently funded; 70% currently needed but unfunded and are currently necessary to minimize bear-human conflicts as per the Recovery Plan.

⁹ 40% of this expenditure is provided through a USFWS Conservation Strategy funding contract.

¹⁰ This cost will be covered through USFWS monitoring of possible changes in genetic variation in all lower 48 grizzly populations.

¹¹ Much of this cost is in current IGBST operations, annual costs covered by FWS: \$185,000.

¹² 24% of expenditure is provided through a USFWS Conservation Strategy funding contract.